

Parameter	Value	Unit	Source
Age	10.5	yr	1
Weight	10.5	kg	1
Height	1.5	m	1
Sex	Male		1
Marital status	Single		1
Education	High school		1
Occupation	Student		1
Religion	Islam		1
Smoking status	Non-smoker		1
Alcohol consumption	No		1
Family history of diabetes	No		1
Family history of hypertension	No		1
Family history of heart disease	No		1
Family history of stroke	No		1
Family history of cancer	No		1
Family history of other diseases	No		1
Current medications	None		1
Previous medical history	None		1
Current symptoms	None		1
Physical examination	Normal		1
Laboratory tests	Normal		1
Imaging studies	Normal		1
Biopsy results	Normal		1
Genetic testing	Normal		1
Psychological evaluation	Normal		1
Social history	Normal		1
Environmental factors	Normal		1
Lifestyle factors	Normal		1
Comorbidities	None		1
Prognosis	Good		1
Treatment plan	None		1
Follow-up schedule	None		1
Insurance status	Private		1
Referral source	Primary care		1
Referral date	2023-10-27		1
Referral reason	General check-up		1
Referral physician	Dr. John Doe		1
Referral facility	St. Mary's Hospital		1
Referral location	New York, NY		1
Referral contact	123-456-7890		1
Referral notes	See above		1
Referral status	Active		1
Referral type	Outpatient		1
Referral category	General		1
Referral subcategory	Primary care		1
Referral specialty	Internal medicine		1
Referral subspecialty	Endocrinology		1
Referral department	Medicine		1
Referral division	Internal medicine		1
Referral unit	Endocrinology		1
Referral service	Endocrinology		1
Referral program	Endocrinology		1
Referral protocol	Endocrinology		1
Referral guideline	Endocrinology		1
Referral standard	Endocrinology		1
Referral best practice	Endocrinology		1
Referral evidence	Endocrinology		1
Referral research	Endocrinology		1
Referral innovation	Endocrinology		1
Referral technology	Endocrinology		1
Referral equipment	Endocrinology		1
Referral supplies	Endocrinology		1
Referral materials	Endocrinology		1
Referral resources	Endocrinology		1
Referral support	Endocrinology		1
Referral training	Endocrinology		1
Referral education	Endocrinology		1
Referral development	Endocrinology		1
Referral implementation	Endocrinology		1
Referral evaluation	Endocrinology		1
Referral monitoring	Endocrinology		1
Referral assessment	Endocrinology		1
Referral analysis	Endocrinology		1
Referral interpretation	Endocrinology		1
Referral communication	Endocrinology		1
Referral collaboration	Endocrinology		1
Referral partnership	Endocrinology		1
Referral network	Endocrinology		1
Referral system	Endocrinology		1
Referral platform	Endocrinology		1
Referral interface	Endocrinology		1
Referral user	Endocrinology		1
Referral role	Endocrinology		1
Referral permission	Endocrinology		1
Referral access	Endocrinology		1
Referral security	Endocrinology		1
Referral privacy	Endocrinology		1
Referral integrity	Endocrinology		1
Referral availability	Endocrinology		1
Referral reliability	Endocrinology		1
Referral accuracy	Endocrinology		1
Referral precision	Endocrinology		1
Referral consistency	Endocrinology		1
Referral validity	Endocrinology		1
Referral verifiability	Endocrinology		1
Referral accountability	Endocrinology		1
Referral responsibility	Endocrinology		1
Referral transparency	Endocrinology		1
Referral openness	Endocrinology		1
Referral honesty	Endocrinology		1
Referral integrity	Endocrinology		1
Referral trustworthiness	Endocrinology		1
Referral credibility	Endocrinology		1
Referral reputation	Endocrinology		1
Referral image	Endocrinology		1
Referral brand	Endocrinology		1
Referral identity	Endocrinology		1
Referral personality	Endocrinology		1
Referral character	Endocrinology		1
Referral traits	Endocrinology		1
Referral qualities	Endocrinology		

PHIL TRIGIANI

Filed: March 12, 2001 Previous Examiner: J. Jacyna

$\star \quad \star \quad \star \quad \star \quad \star \quad \star \quad \star \quad \star$

PRELIMINARY AMENDMENT

Sir:

IN THE SPECIFICATION:

On page 1, after the Title, delete:

"This application is a continuation-in-part of U.S. Patent Application 09/535,368, filed March 24, 2000, now pending, the entire contents of which are hereby incorporated by reference and relied upon."

TRIGIANI--CONTINUATION OF U.S. PATENT APPLICATION 09/557,831

and replace with:

--This application is a continuation of U.S. Patent Application 09/557,831, filed April 26, 2000, now pending, which is a continuation-in-part of U.S. Patent Application 09/535,368, filed March 24, 2000, now U.S. Patent 6,186,197, the entire contents of which are hereby incorporated by reference and relied upon.--

IN THE CLAIMS:

Kindly cancel claims 1-12.

Kindly add new claims 13-17, as follows:

--13. A canister for charging a closed, pressurized air conditioning or refrigeration system with a fluid, comprising:

a) a closed, non-pressurized cylindrical canister, wherein said canister has two ends, a first open end which connects to the system being charged and a second open end, and

wherein said first open end comprises a nozzle;

b) a predetermined amount of said fluid,

wherein said fluid is selected from the group consisting of a lubricant, a fluid dye for said air conditioning or refrigeration systems, and combinations thereof, and

wherein said fluid is maintained in said canister at about ambient pressure; and

c) a piston sealably disposed with said second open end of said canister,

wherein said canister is adapted to sealably and releasably connect to said pressurized air conditioning or refrigeration system via fluidly coupling means to form a closed binary system,

wherein said fluidly coupling means is a connector assembly having a first end connected to said nozzle of said canister and a second end connected to a service valve of the pressurized system,

wherein said connector assembly comprises:

- i) a flexible conduit,
 - ii) a thread on a first end of said flexible conduit, to engage with said nozzle of said canister,
- and

iii) a release valve on a second end of said flexible conduit, to engage with the service valve of the pressurized system, and

wherein said connector assembly further comprises a valve at one end of said flexible conduit, which prevents any material from back flushing into and contaminating said fluid in said canister.

14. The canister of claim 13, wherein said canister is fabricated out of transparent material and includes a plurality of gradient markings; and

wherein said nozzle is threaded.

15. The canister of claim 14, wherein said first open end comprises a threaded cap for engagement with said threaded nozzle.

16. The canister of claim 13, wherein said piston further comprises an O-ring.

17. The canister of claim 13, wherein said piston further comprises a recessed double O-ring.--

REMARKS

By this Preliminary Amendment, the specification has been amended, claims 1-12 have been canceled, and new claims 13-17 have been added.

More specifically, the specification has been updated to show the prosecution history of the parent patent applications. A replacement page with the replacement paragraph is attached hereto.

Claims 1-12 have been canceled and replaced with new claims 13-17. The new claims correspond to issued claims 1-5 in parent U.S. Patent 6,186,197. The expression "wherein said fluid is selected from the group consisting of a lubricant, a fluid dye for said air conditioning or refrigeration systems, and combinations thereof" has been added to new claim 1 (step b). Specific support for this amendment can be found, for example, on page 3, lines 19-20. A clean copy of the new claims is included in the attached Appendix. Thus, no new matter has been added by these amendments.

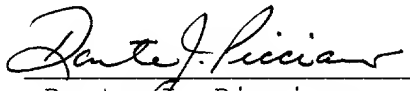
Early and favorable action on the merits are respectfully requested.

TRIGIANI--CONTINUATION OF U.S. PATENT APPLICATION 09/557,831

Should any matters remain in this application which might be resolved by interview, the Examiners is requested to telephone the undersigned at 570-386-5744.

Respectfully submitted,

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APPARATUS FOR DETECTING LEAKS IN A PRESSURIZED AIR CONDITIONING OR REFRIGERATION SYSTEM

This application is a continuation of U.S. Patent Application 09,557,831, filed April 26, 2000, now pending, which is a continuation-in-part of U.S. Patent Application 09/535,368, filed March 24, 2000, now U.S. Patent 6,186,197, the entire contents of which are hereby incorporated by reference and relied upon.

BACKGROUND OF THE INVENTION

Field of the Invention

The instant invention relates generally to the field of pressurized fluid systems and more specifically it relates to an apparatus for detecting leaks in a pressurized air conditioning or refrigeration system. The purpose of the apparatus is to provide the technician with a simple method of injecting a predetermined amount of a secondary fluid, e.g., a fluorescent dye, and/or lubricant into a pressurized system.

Description of the Prior Art

Numerous pressurized fluid systems have been provided in the prior art that are adapted to operate optimally within a certain pressure range. If the internal pressure falls below this range, the system needs to be recharged with an appropriate lubricant. While these units may be suitable for the particular purpose to which they address, they would not be as suitable for the purposes of the present invention as heretofore described.

APPENDIX

13. A canister for charging a closed, pressurized air conditioning or refrigeration system with a fluid, comprising:

a) a closed, non-pressurized cylindrical canister,

wherein said canister has two ends, a first open end which connects to the system being charged and a second open end, and

wherein said first open end comprises a nozzle;

b) a predetermined amount of said fluid,

wherein said fluid is selected from the group consisting of a lubricant, a fluid dye for said air conditioning or refrigeration systems, and combinations thereof, and

wherein said fluid is maintained in said canister at about ambient pressure; and

c) a piston sealably disposed with said second open end of said canister,

wherein said canister is adapted to sealably and releasably connect to said pressurized air conditioning or refrigeration system via fluidly coupling means to form a closed binary system,

wherein said fluidly coupling means is a connector assembly having a first end connected to said nozzle of said

canister and a second end connected to a service valve of the pressurized system,

wherein said connector assembly comprises:

- i) a flexible conduit,
- ii) a thread on a first end of said flexible conduit, to engage with said nozzle of said canister, and

- iii) a release valve on a second end of said flexible conduit, to engage with the service valve of the pressurized system, and

wherein said connector assembly further comprises a valve at one end of said flexible conduit, which prevents any material from back flushing into and contaminating said fluid in said canister.

14. The canister of claim 13, wherein said canister is fabricated out of transparent material and includes a plurality of gradient markings; and

wherein said nozzle is threaded.

15. The canister of claim 14, wherein said first open end comprises a threaded cap for engagement with said threaded nozzle.

16. The canister of claim 13, wherein said piston further comprises an O-ring.

17. The canister of claim 13, wherein said piston further comprises a recessed double O-ring.